

## 侯喜林

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### 研究方向：

蔬菜遗传育种与分子生物学；生物信息学；基因组学。

### 教授课程：

园艺作物育种学（本科生）；园艺与健康（本科生）；高级蔬菜栽培育种学（育种班）（硕士研究生）；现代园艺科学前沿（蔬菜班）（博士研究生）；园艺植物育种与良种繁育学（专业学位研究生）。

### 教育经历：

1982年，本科毕业于北京农业大学园艺系蔬菜专业获学士学位；1986-1987年，在日本名古屋大学农学部 and 日本爱知县农业综合试验场进修；1998年，毕业于南京农业大学园艺系蔬菜学科获博士学位；2008.05-2008.06，参加南京农业大学中层干部高等教育研修班学习；2010.03-2010.05，参加国家教育行政学院第33期高校中青年干部培训班学习。

### 工作经历：

1982-1998年，在南京农学院/南京农业大学园艺系先后任见习助教、助教、讲师、副教授；1999年至今，任南京农业大学园艺系/园艺学院教授。1992.11-1996.08，任南京农业大学园艺系副系主任；1996.09-2000.09，任南京农业大学园艺系副系主任（主持工作）；2000.10-2001.02，任南京农业大学园艺学院副院长（主持工作）；2001.03-2013.11，任南京农业大学园艺学院院长；2013.12-至今，任南京农业大学研究生院常务副院长、研究生工作部部长、学位办公室主任。期间，1998.12-2001.01，任江苏省东海县人民政府科技副县长；2011.03-2012.05，任南京农业大学园艺学院党委书记。

### 学术任职与服务/社会服务：

2005-2013年，曾任中国园艺学会第十、十一届副理事长，现任《园艺学报》副主编。现任国务院学位委员会第七届学科评议组成员，教育部高等学校植物生产类专业园艺类教学指导分委员会副主任委员，全国农业专业学位研究生教育指导委员会委员，教育部园艺作物种质创新与利用工程研究中心主任，农业部华东地区园艺作物生物学与种质创制重点实验室主任，蔬菜学国家重点学科带头人，作物遗传与种质创新国家重点实验室第三届学术委员会委员，国家大宗蔬菜产业技术体系岗位科学家，江苏省优良品种培育工程蔬

菜协作攻关组首席专家，江苏省现代农业产业技术体系十字花科蔬菜育种创新团队首席专家，江苏省优势学科“现代园艺科学”学科带头人。2006年，获中共连云港市委、连云港市人民政府颁发的“百名教授科教兴百村小康工程”科技贡献特等奖；同年，获河北省张北县人民政府颁发的2005年度“县长特别奖”。

#### **获奖及荣誉：**

2005年，不结球白菜优异种质创新方法及其应用，国家技术发明奖二等奖，中华人民共和国国务院，第1完成人；2014年，不结球白菜耐寒晚抽薹的分子机理及新品种选育，高等学校科学研究优秀成果奖自然科学奖二等奖，中华人民共和国教育部，第1完成人；2015年，精品蔬菜生产技术丛书，高等学校科学研究优秀成果奖科学技术进步奖(科普类)二等奖，中华人民共和国教育部，第1完成人；2007年，园艺应用型本科人才培养模式的研究与实践，江苏省高等教育教学成果奖二等奖，江苏省教育厅，第1完成人；2013年，“产学研结合、农科教一体化”培养高素质创新型园艺人才的探索与实践，江苏省高等教育教学成果奖二等奖，江苏省教育厅，第1完成人；1991年，农业部部属院校“教书育人”先进教师，农业部；2005年，江苏省有突出贡献的中青年专家，江苏省人民政府；2007年，江苏省高等学校教学名师，江苏省教育厅；2007年，全国模范教师，中华人民共和国人事部、中华人民共和国教育部；2007年，政府特殊津贴，中华人民共和国国务院。荣获南京农业大学首批“钟山教学名师”奖。

#### **主持或参与的科研项目：**

不结球白菜耐寒关键基因的鉴定、分析及功能研究(31330067)，国家自然科学基金重点项目，2014.01～2018.12，288.0万元，主持人；优质高产抗病设施专用十字花科蔬菜新品种选育(BE2013429)，江苏省科技支撑计划项目，2013.06～2016.12，100.0万元，主持人；大宗蔬菜产业技术体系岗位专家(CARS-25-A-12)，农业部文件，农科教发[2008]10号，2008.01～2020.12，910.0万元，主持人；现代园艺科学(交叉学科)，江苏高校优势学科建设工程二期项目(园艺、生科院四十位教授参与)，2014.01～2017.12，2000.0万元，学科带头人，江苏省人民政府办公厅文件，苏政办发(2014)37号，2014.05.06。

#### **主要论著：**

《园艺学进展》(第2辑)ISBN 7-81050-332-4/S·2，论文集，东南大学出版社，1998.06，主编；《蔬菜学》ISBN 7-5345-4435-5，科技书，江苏科学技术出版社，2004.10，第一副主编；《精品蔬菜生产技术丛书》(十一册)ISBN 7-5345-4417-3，科普书，江苏科学技术出版社，2004.12，编委会主任；《实验园艺学》ISBN 7-04-018644-6，教材，高等教育出版社，2006.02，副主编；《园艺通论》(第2版)ISBN 7-04-019134-2，教材，高等教育出版社，2006.05，主编(列第二位)；《蔬菜营养学》ISBN 978-7-5618-5012-1，科技书，天津大学出版社，2014.06，主审。

近五年发表的 SCI 文章/论文 (2011-2015 年共发表 SCI 论文 65 篇, 带有“ ”者为通讯作者):

1. Fangling Jiang, Feng Wang, Zhen Wu, Ying Li, Gongjun Shi, Jingding Hu, **Xilin Hou\***. Components of the Arabidopsis CBF Cold-Response Pathway Are Conserved in Non-heading Chinese Cabbage. *Plant Mol Biol Rep*, 2011, 29:525~532 DOI 10.1007/s11105-010-0256-3
2. Tongkun Liu, **Xilin Hou**, Jingyi Zhang, Yuping Song, Shuning Zhang, Ying Li\*. A cDNA Clone of BcHSP81-4 from the Sterility Line (Pol CMS) of Non-heading Chinese Cabbage (*Brassica campestris* ssp. *chinensis*). *Plant Mol Biol Rep*, 2011, 29:723-732 DOI 10.1007/s11105-010-0285-y
3. Chao Chen, **Xilin Hou\***, Hongxin Zhang, Guilan Wang, Limin Tian. Induction of *Anthurium andraeanum* "Arizona" tetraploid by colchicine in vitro. *Euphytica*, 2011, 181:137~145 DOI 10.1007/s10681-010-0344-3
4. Jinyan Wang, **Xilin Hou\***, and Xuedong Yang. Identification of conserved microRNAs and their targets in Chinese cabbage (*Brassica rapa* subsp. *pekinensis*). *Genome*, 2011, 54: 1029~1040
5. ZHANG Jun-ping, **HOU Xi-lin\***, YU Tian LI Ying and DONG Hai-yan. Response Surface Optimization of *Nigella glandulifera* Freyn Seed Oil Yield by Supercritical Carbon Dioxide Extraction. *Journal of Integrative Agriculture*, 2012, 11 (1) : 151~158
6. Hai-Tao Peng, Li Wang, Ying Li, Yan-Xiao Li, Wei Guan, Yang Yang, Xiao-Hai Xu, **Xi-Lin Hou\***. Differential gene expression in incompatible interaction between turnip mosaic virus and non-heading Chinese cabbage. *Eur J Plant Pathol*, 2012, 132:393~406 DOI 10.1007/s10658-011-9885-0
7. Dong Xiao, Ning-Wen Zhang, Jian-Jun Zhao, Guusje Bonnema and **Xi-Lin Hou\***. Validation of reference genes for real-time quantitative PCR normalisation in non-heading Chinese cabbage. *Functional Plant Biology*, 2012, 39, 342~350 <http://dx.doi.org/10.1071/FP11246>
8. Feng Wang, **Xilin Hou\***, Jun Tang, Zhen Wang, Shuming Wang, Fangling Jiang, Ying Li. A novel cold-inducible gene from Pak-choi (*Brassica campestris* ssp. *chinensis*), BcWRKY46, enhances the cold, salt and dehydration stress tolerance in transgenic tobacco. *Mol Biol Rep*, 2012, 39: 4553~4564, DOI 10.1007/s11033-011-1245-9
9. Xuedong Yang, Feifei Sun, Aisheng Xiong, Feng Wang, Min Kong, Qian Wang, Jinyan Wang, Wei Dai, Xiudong Xia, **Xilin Hou\***. BcNRT1, a plasma membrane-localized nitrate transporter from non-heading Chinese cabbage. *Mol Biol Rep*, 2012, 39:7997-8006, DOI 10.1007/s11033-012-1646-4
10. Tongkun Liu, Ying Li, Changwei Zhang, Yu Qian, Zhen Wang, **Xilin Hou\***. Overexpression of FLOWERING LOCUS C, Isolated from Non-Heading Chinese Cabbage (*Brassica campestris* ssp. *chinensis* Makino), Influences Fertility in Arabidopsis. *Plant Mol Biol Rep*, 2012, 30:1444-1449 DOI 10.1007/s11105-012-0469-8

11. Jingyi Zhang, Changwei Zhang, Yan Cheng, Li Qi, Shumin Wang and **Xilin Hou** . Microtubule and male sterility in a gene-cytoplasmic male sterile line of non-heading Chinese cabbage. *J Sci Food Agric* 2012, 92: 3046–3054
12. Jinyan Wang, Xuedong Yang, Haibin Xu, Xiaoyuan Chi, Min Zhang, **Xilin Hou\***. Identification and characterization of microRNAs and their target genes in *Brassica oleracea*. *Gene*,2012, 505:300~308
13. Liu TK (Liu, Tongkun); Li Y (Li, Ying); Ren J (Ren, Jun); Qian Y (Qian, Yu); Yang XD (Yang, Xuedong); Duan WK (Duan, Weike); **Hou XL (Hou, Xilin)\***. Nitrate or NaCl regulates floral induction in *Arabidopsis thaliana*. *BIOLOGIA*, 2013, 68(2): 215-222, DOI: 10.2478/s11756-013-0004-x
14. J. Y. WANG, X. M. SONG, Y. LI and **X. L. HOU\***. In-silico detection of EST-SSR markers in three *Brassica* species and transferability in *B. rapa*. *Journal of Horticultural Science & Biotechnology*, 2013, 88 (2):135–140
15. Haitao Peng, Shuyan Li, Li Wang, Ying Li, Yanxiao Li, Changwei Zhang, **Xilin Hou\***. Turnip mosaic virus induces expression of the LRR II subfamily genes and regulates the salicylic acid signaling pathway in non-heading Chinese cabbage. *Physiological and Molecular Plant Pathology*, 2013,82:64-72
16. T. LIU, Y. LI, J. REN, C. ZHANG, M. KONG, X. SONG, J. ZHOU, and **X. HOU\***. Over-expression of BcFLC1 from non-heading Chinese cabbage enhances cold tolerance in *Arabidopsis*. *BIOLOGIA PLANTARUM*, 2013, 57(2): 262-266
17. T. Liu, C. Zhang, L. Qi, F. Sun and **X. Hou\***. Cloning and Expression Analysis of a CMS Related Gene BcCo1 from *Brassica campestris* ssp. *chinensis*. *Russian Journal of Plant Physiology*, 2013, 60 (1):124–130
18. Taiyun Wei, Changwei Zhang, **Xilin Hou**, He'le'ne Sanfac, Aiming Wang\*. The SNARE Protein Syp71 Is Essential for Turnip Mosaic Virus Infection by Mediating Fusion of Virus-Induced Vesicles with Chloroplasts. *PLOS Pathogens* | www.plospathogens.org, May 2013 | Volume 9 | Issue 5 | e1003378
19. Xiaoming Song, Ying Li and **Xilin Hou\***. Genome-wide analysis of the AP2/ERF transcription factor superfamily in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *BMC Genomics* ,2013, 14:573, doi:10.1186/1471-2164-14-573
20. Dong Xiao, Jian J. Zhao, **Xi L. Hou**, Ram K. Basnet, Dunia P.D. Carpio, Ning W. Zhang, Johan Bucher, Ke Lin, Feng Cheng, Xiao W. Wang and Guusje Bonnema\*. The *Brassica rapa* FLC homologue FLC2 is a key regulator of flowering time, identified through transcriptional co-expression networks. *Journal of Experimental Botany*,2013, 64 (14): 4503-4516

21. Ge TT, Wang L, Zhang AF, Liu TK, Wang JJ, **Hou XL**, Li Y\*. S haplotype identification by PCR-RFLP in doubled haploid lines and implications in the hybrid breeding of non-heading Chinese cabbage (*Brassica campestris* L. ssp. *chinensis* Makino). *Indian J Genet Plant Breeding*, 2013, 73(4):400-404
22. Ren J, Chen ZW, Duan WK, Song XM, Zhou J, Liu TK, Wang JJ, **Hou XL**, Li Y\*. Comparison of ascorbic acid biosynthesis in different tissues of three non-heading Chinese cabbage cultivars. *Plant Physiol Bioch*, 2013, 73:229-236
23. Ren J, Gao H, Zhou J, Liu TK, **Hou XL**, Li Y\*. Molecular cloning and expression pattern analysis of ascorbate oxidase in non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis*). *Russ J Plant Physl*, 2013, 60 (6) : 756-763
24. Wang L, Ge TT, Peng HT, Wang C, Liu TK, **Hou XL**, Li Y\*. Cloning and expression analysis of EXO70A1 gene in Non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis* Makino) *J Integr Agri*, 2013, 10.1016/S2095-3119(13)60580-8
25. Wang L, Peng HT, Ge TT, Liu TK, **Hou XL**, Li Y\*. Identification of differentially accumulating pistil proteins associated with self incompatibility of non-heading Chinese cabbage. *Plant Biology*, 2013, doi:10.1111/plb.12016
26. Wang XH, Song YP, Ren J, Liu TK, **Hou XL**, Li Y\* Response of biomass and photosynthesis in non-heading chinese cabbage to excess copper. *J Anim Plant Sci*, 2013, 23(6):1659-1665
27. Jun Tang, Feng Wang, Zhen Wang, Zhinan Huang, Aisheng Xiong and **Xilin Hou\***. Characterization and co-expression analysis of WRKY orthologs involved in responses to multiple abiotic stresses in Pak-choi (*Brassica campestris* ssp. *chinensis*). *BMC Plant Biology*, 2013, 13:188
28. Dong Xiao, Huang Wang, Ram Kumar Basnet, Jianjun Zhao, Ke Lin, **Xilin Hou\***, and Guusje Bonnema\*. Genetic Dissection of Leaf Development in *Brassica rapa* Using a Genetical Genomics Approach. *Plant Physiology*, 2014, 164:1309-1325
29. Xiaoming Song , Gaofeng Liu, Weike Duan, Tongkun Liu, Zhinan Huang, Jun Ren, Ying Li, **Xilin Hou\***. Genome wide identification, classification and expression analysis of the heat shock transcription factor family in Chinese cabbage. *Mol Genet Genomics*, 2014, DOI 10.1007/s00438-014-0833-5
30. Tongkun Liu, Xiaoming Song, Weike Duan, Zhinan Huang, Gaofeng Liu, Ying Li, **Xilin Hou\***. Genome-Wide Analysis and Expression Patterns of NAC Transcription Factor Family Under Different Developmental Stages and Abiotic Stresses in Chinese Cabbage. *Plant Mol Biol Rep*, 2014, DOI 10.1007/s11105-014-0712-6

31. Xiao-Ming Song, Tongkun Liu, Wei-Ke Duan, Qing-Hua Ma, Jun Ren, Zhen Wang, Ying Li, **Xi-Lin Hou\***. Genome-wide analysis of the GRAS gene family in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *Genomics*, 2014, 103:135–146
32. Jing Zhuang, Jian Zhang, **Xi-Lin Hou**, Feng Wang, Ai-Sheng Xiong\*. Transcriptomic, Proteomic, Metabolomic and Functional Genomic Approaches for the Study of Abiotic Stress in Vegetable Crops. *Critical Reviews in Plant Sciences*, 2014, 33:225–237
33. J. S. ZHENG, S. N. ZHANG, C. Z. SUN and **X. L. HOU\***. Karyotype analysis of autotetraploidy in *Brassica rapa* ssp. *chinensis*. *Journal of Horticultural Science & Biotechnology*, 2014, 89(1): 23–28
34. H.-T. PENG, Y.-X. LI, C.-W. ZHANG, Y. LI, and **X.-L. HOU\***. Chloroplast elongation factor BcEF-Tu responds to turnip mosaic virus infection and heat stress in non-heading Chinese cabbage. *BIOLOGIA PLANTARUM*, 2014, 58 (3): 561-566
35. Weike Duan, Xiaoming Song, Tongkun Liu, Zhinan Huang, Jun Ren, **Xilin Hou**, Ying Li\*. Genome wide analysis of the MADS box gene family in *Brassica rapa* (Chinese cabbage). *Mol Genet Genomics*, DOI 10.1007/s00438-014-0912-7
36. Ying Li, Tongkun Liu, Weike Duan, Xiaoming Song, Gongjun Shi, Jingyi Zhang, Xiaohui Deng, Shuning Zhang, **Xilin Hou\***. Instability in mitochondrial membranes in Polima cytoplasmic male sterility of *Brassica rapa* ssp. *chinensis*. *Funct Integr Genomics*, 2014,14:441–451
37. Xiaoming Song†, Ying Li†, Tongkun Liu, Weike Duan, Zhinan Huang, Li Wang, Huawei Tan and **Xilin Hou\***. Genes associated with agronomic traits in non-heading Chinese cabbage identified by expression profiling. *BMC Plant Biology*, 2014, 14:71
38. Wang, Xuehua; Zhang, Shuo; Hu, Die; Zhao, Xiaojun; Li, Yan; Liu, Tongkun; Wang, Jianjun; **Hou, Xilin**; Li, Ying\*. BcPMI2, isolated from non-heading Chinese cabbage encoding phosphomannose isomerase, improves stress tolerance in transgenic tobacco. *Molecular Biology Reports*, 2014, 41 (4)
39. Hongbing Song, Xiaoming Song , Huanhuan Liu, Tongkun Liu, Ying Li , **Xilin Hou\***. cDNA Clones and Expression Analysis of cpHSC70 and mtHSC70 in Non-Heading Chinese Cabbage. *Plant Mol Biol Rep*, 2014, 32:531–540
40. Xiao-Ming Song, Zhi-Nan Huang, Wei-Ke Duan, Jun Ren, Tong-Kun Liu, Ying Li, **Xi-Lin Hou\***. Genome-wide analysis of the bHLH transcription factor family in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *Mol Genet Genomics*, 2014, 289:77–91

41. Jun Tang , Feng Wang , **Xi-Lin Hou\*** , Zhen Wang ,Zhi-Nan Huang. Genome-Wide Fractionation and Identification of WRKY Transcription Factors in Chinese Cabbage (*Brassica rapa* ssp. *pekinensis* ) Reveals Collinearity and Their Expression Patterns Under Abiotic and Biotic Stresses. *Plant Mol Biol Rep*, 2014, 32 (4) : 781-795
42. Tongkun Liu, Wei Dai, Feifei Sun,Xuedong Yang, Aisheng Xiong, **Xilin Hou\***. Cloning and characterization of the nitrate transporter gene BraNRT2.1 in non-heading Chinese cabbage. *Acta Physiol Plant*, 2014, 36:815–823
43. Wang L, Wang C, Ge TT, Wang JJ, Liu TK, **Hou XL**, Li Y\* Expression analysis of self-incompatibility–associated genes in non-heading Chinese cabbage. *Genetics and Molecular Research*,2014, 13(3):5025-5035
44. Sun CZ, Wang L, Hu D, Ali Ramuli Maquina Riquicho, Liu TK, **Hou XL**, Li Y\*. Proteomic analysis of non-heading Chinese cabbage infected with *Hyaloperonospora parasitica*. *J of Proteomics*, 2014, 98: 15-30
45. Yanxiao Li , Changwei Zhang, Xiaoming Song , Shanwu Lv , **Xilin Hou\***.Using an Arabidopsis oligonucleotide microarray to analyze the secretory pathway genes' Response to TuMV infection in *Brassica rapa*. *Physiological and Molecular Plant Pathology*,2014, 88: 85-93
46. Weike Duan, Xiaoming Song, Tongkun Liu, Zhinan Huang, Jun Ren, **Xilin Hou**, Jianchang Du, andYing Li\*. Patterns of evolutionary conservation of ascorbic acid related genes during whole genome triplication in *Brassica rapa*. *Genome Biol. Evol.* 2014,7(1):299–313
- 47.Jun Ren, Weike Duan, Zhongwen Chen, Shuo Zhang, Xiaoming Song, Tongkun Liu, **Xilin Hou**, Ying Li\*. Overexpression of the Monodehydroascorbate Reductase Gene from Non-heading Chinese Cabbage Reduces Ascorbate Level and Growth in Transgenic Tobacco. *Plant Mol Biol Rep*, 2015, 33:881–892 DOI 10.1007/s11105-014-0797-y.
- 48.Tongkun Liu, Yu Qian, Weike Duan, Jun Ren, **Xilin Hou** and Ying Li\*. *BcRISPI*, isolated from non-heading Chinese cabbage, decreases the seed set of transgenic Arabidopsis. *Horticulture Research*, 2014,1, 14062, doi: 10.1038 /hortres. 2014.62.
- 49.Zhen Wang , Feng Wang , Jun Tang , Zhinan Huang , Aisheng Xiong , **Xilin Hou\***. C-repeat binding factor gene family identified in non-heading Chinese cabbage is functional in abiotic and biotic stress response but different from that in Arabidopsis. *Acta Physiol Plant* , 2014, 36:3217–3229
- 50.Tongkun Liu & Ying Li & Changwei Zhang & Weike Duan & Feiyi Huang & **Xilin Hou\***. Basic helix–loop–helix transcription factor BcbHLHpol functions as a positive regulator of pollen development in non-heading Chinese cabbage. *Funct Integr Genomics* (2014) 14:731–739

51. Zhang, Y (Zhang, Yu); Zhang, SN (Zhang, Shuning); Ren, J (Ren, Jun); **Hou, XL (Hou, Xilin)**; Xiong, AS (Xiong, Aisheng); Li, Y (Li, Ying); Li, SY (Li, Shuyan); Xu, LJ (Xu, Lijuan). Induction of tetraploidy in non-heading Chinese cabbage (*Brassica campestris* ssp *chinensis* Makino) by colchicine treatment increases the ascorbic acid concentration. *JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY*, 2014, 89: 53-60.
52. Zhi-Sheng Xu, Hua-Wei Tan, Feng Wang, **Xi-Lin Hou**, Ai-Sheng Xiong\*. CarrotDB: a genomic and transcriptomic database for carrot. *DATABASE THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION*, 2014, 1-8
53. Zhen Wang, Jun Tang, Rong Hu, Peng Wu, **Xi-Lin Hou\***, Xiao-Ming Song<sup>1</sup> and Ai-Sheng Xiong. Genome-wide analysis of the R2R3-MYB transcription factor genes in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) reveals their stress and hormone responsive patterns. *BMC Genomics*, 2015, 16: 17. DOI 10.1186/s12864-015-1216-y.
54. Feifei Sun, Zhen Wang, Xinyu Maoc, Changwei Zhang, Dongsheng Wang, Xia Wang, **Xilin Hou\***. Overexpression of BcGS2 gene in non-heading Chinese cabbage (*Brassica campestris*) enhanced nitrogen GS activity and total amino acid content in transgenic seedlings. *Scientia Horticulturae*, 2015, 186: 129-136
55. Jin-shuang Zheng, Cheng-zhen Sun, Dong Xiao, Shu-ning Zhang, Guusje Bonnema, **Xi-lin Hou\***. Karyotype variation and conservation in morphotypes of non-heading Chinese cabbage. *Plant systematic and evolution*, 2015, DOI 10.1007/s00606-014-1177-7
56. Rong Hu, Zhen Wang, Peng Wu, Jun Tang, **Xilin Hou\***. Identification and abiotic stress analysis of calmodulin-binding transcription activator/signal responsive genes in non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis* Makino). *POJ.*, 2015, 8(2): 141-147
57. Shanwu Lv, Changwei Z, Jun Tang, Yanxiao Li, Zhen Wang, Dahua Jiang, **Xilin Hou\***. Genome-wide Analysis and Identification of TIR-NBS-LRR Genes in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) Reveal Expression Patterns to TuMV Infection. *Physiological and Molecular Plant Pathology*, 2015, 90: 1-9. DOI: 10.1016/j.pmpp.2015.04.001
58. Xiaoming Song, Tingting Ge, Ying Li and **Xilin Hou\***. Genome-wide identification of SSR and SNP markers from the non-heading Chinese cabbage for comparative genomic analyses. *BMC Genomics*, 2015, 16: 328. DOI 10.1186/s12864-015-1534-0
59. Aisong Zeng, Jiyong Yan, Lixiao Song, Bing Gao, Yunxia Zhang, Jianqi Li, Huanhuan Liu, **Xilin Hou**, Ying Li\*. Induction and development of microspore-derived embryos in broccoli × white-headed cabbage hybrids microspore culture. *Euphytica*, 2015, 203: 261-272. DOI 10.1007/s10681-014-1247-5



60. Aisong Zengb, Yuanyuan Yan, Jiyong Yan, Lixiao Song, Bing Gao, Jianqi Li, **Xilin Hou**, Ying Li\*

Microspore embryogenesis and plant regeneration in Brussels sprouts (*Brassica oleracea* L. var. *gemmifera*).  
*Scientia Horticulturae*, 2015, 191: 31–37

61. Zhen Wang, Dahua Jiang, Changwei Zhang, Huawei Tan, Yanxiao Li, Shanwu Lv, **Xilin Hou**\*, Xiaoyan Cuid.  
Genome-wide identification of turnip mosaic virus-responsive microRNAs in non-heading Chinese cabbage by  
high-throughput sequencing. *Gene*, 2015, 571:178-187. doi.org/10.1016/j.gene.2015.06.047

62. Cheng Wang, Weike Duan, Ali RamuliMaquina Riquicho, Zange Jing, Tongkun Liu, **Xilin Hou**, Ying  
Li\*. Genome-wide survey and expression analysis of the PUB family in Chinese cabbage (*Brassica rapa* ssp.  
*pekinesis*). *Mol Genet Genomics*. DOI 10.1007/s00438-015-1075-x

63. Zhinan Huang, Jun Tang, Weike Duan, Zhen Wang, Xiaoming Song and **Xilin Hou**\*.Molecular  
evolution, characterization, and expression analysis of SnRK2 gene family in Pak-choi (*Brassica rapa* ssp.  
*chinensis*). *Front. Plant Sci.*, DOI 10.3389/fpls.2015.00879

64. Xiaoming Song, Weike Duan, Zhinan Huang, Gaofeng Liu, Peng Wu, Tongkun Liu, Ying Li & **Xilin Hou**\*.  
Comprehensive analysis of the flowering genes in Chinese cabbage and examination of evolutionary pattern of  
CO-like genes in plant kingdom. *Scientific Reports*, 5:14631. DOI: 10.1038/srep14631

65. Hua-Wei Tan, Xiao-Ming Song, Wei-Ke Duan, Yan Wang, and **Xi-Lin Hou**\*. Genome-wide analysis of the  
SBP-box gene family in Chinese cabbage (*Brassica rapa* subsp. *pekinensis*). *Genome*, 2015, 58: 463–477,  
dx.doi.org/10.1139/gen-2015-0074

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